



**CALLISTO<sup>+</sup>**

# PHONEDIVERSIONS

ADMINISTRATION MANUAL



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# Setup

## Installation

PhoneDiversions is installed through Callisto's Open Application Manager. The installation and updating process for OAM applications is described in the chapter [Options](#) of the Callisto platform administration manual.

## Privileges

The following application privileges can be assigned to a user for the PhoneDiversions application. For setting user privileges, see the chapter [User administration](#) of the Callisto platform administration manual.

State	Provides access to the <a href="#">State</a> tab.
Groups	Provides access to the <a href="#">Groups</a> tab.
CallHandler	Provides access to the <a href="#">Call Handler</a> tab.
Reports	Provides access to the <a href="#">Reports</a> tab.

## Access



*Configure icon*

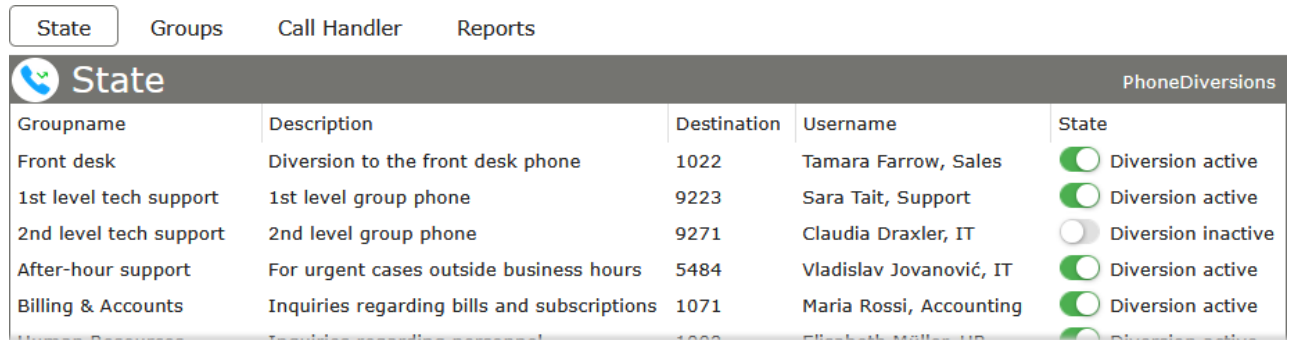
Administrators can access the PhoneDiversions configuration by navigating to System > Open Application Manager in the main menu. In the tab Applications, locate the PhoneDiversions instance and click on the *Configure icon*.

Users who were granted privileges to access the PhoneDiversions instance can do so by navigating to Applications in the main menu and clicking on the name of the PhoneDiversions instance.

# Overview tabs

## State

The *State* tab within the application's web GUI gives users an overview allows users to activate or deactivate diversions. This section provides the necessary controls for performing these actions.



Groupname	Description	Destination	Username	State
Front desk	Diversion to the front desk phone	1022	Tamara Farrow, Sales	<input checked="" type="checkbox"/> Diversion active
1st level tech support	1st level group phone	9223	Sara Tait, Support	<input checked="" type="checkbox"/> Diversion active
2nd level tech support	2nd level group phone	9271	Claudia Draxler, IT	<input type="checkbox"/> Diversion inactive
After-hour support	For urgent cases outside business hours	5484	Vladislav Jovanović, IT	<input checked="" type="checkbox"/> Diversion active
Billing & Accounts	Inquiries regarding bills and subscriptions	1071	Maria Rossi, Accounting	<input checked="" type="checkbox"/> Diversion active
Human Resources	Inquiries regarding personnel	1002	Elizabeth Miller, HR	<input checked="" type="checkbox"/> Diversion active

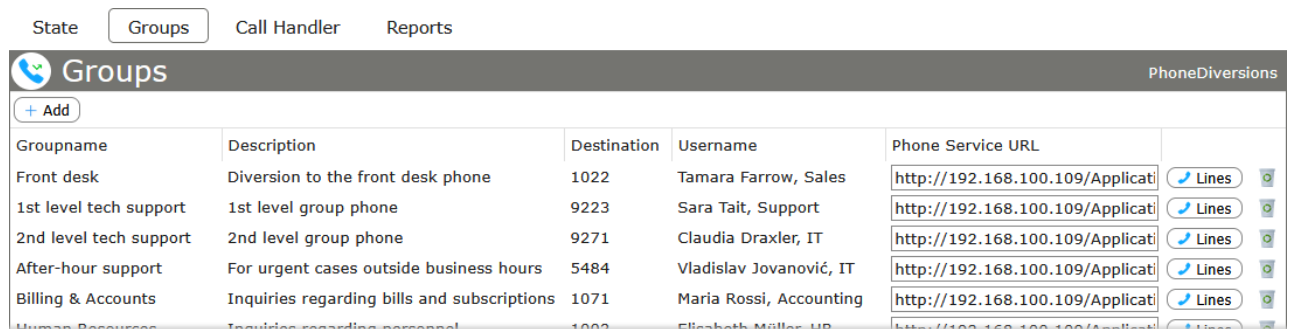
## Groups

In the *Groups* tab of the application, you can manage all the defined Diversion groups. This includes creating and deleting groups. Once a group is created, it will be listed in the *State* tab.

To create a new group, click on the Add button and fill in the following form fields:

- Name: A descriptive name for the diversion group
- Description: Additional information about the group
- Destination: The specific target number destination for the group.

The Phone Service URL contains a parameter called groupID, which corresponds to each group. You can copy this URL to the Communication Manager. Further details about this service are explained in the chapter [CUCM configuration](#).



Groupname	Description	Destination	Username	Phone Service URL	Lines
Front desk	Diversion to the front desk phone	1022	Tamara Farrow, Sales	http://192.168.100.109/Applicati	<input checked="" type="checkbox"/> Lines
1st level tech support	1st level group phone	9223	Sara Tait, Support	http://192.168.100.109/Applicati	<input checked="" type="checkbox"/> Lines
2nd level tech support	2nd level group phone	9271	Claudia Draxler, IT	http://192.168.100.109/Applicati	<input checked="" type="checkbox"/> Lines
After-hour support	For urgent cases outside business hours	5484	Vladislav Jovanović, IT	http://192.168.100.109/Applicati	<input checked="" type="checkbox"/> Lines
Billing & Accounts	Inquiries regarding bills and subscriptions	1071	Maria Rossi, Accounting	http://192.168.100.109/Applicati	<input checked="" type="checkbox"/> Lines
Human Resources	Inquiries regarding personnel	1002	Elizabeth Miller, HR	http://192.168.100.109/Applicati	<input checked="" type="checkbox"/> Lines

The Lines button opens a configuration page where you can assign lines to the corresponding group. You can add, rename, or delete lines in this section. When adding a new line, fill in the following information:

- Line number: The target line number
- Description: A descriptive name for the line

The usernames shown in both the *Groups* view and the *Assigned Lines* view always display the username

associated with the given line number, as set in the [Callisto user administration](#).

State **Groups** Call Handler Reports

### Assigned Lines

+ Add

Line Number	Description	Username	
1044	Main diversion line	Tenti Samatha, R&D	
1011	Secondary diversion line	Panizza Angelo, Sales	
1040	Line 1040	Marta Marić, IT	
1053	Line 1053	Scott Marshall, R&D	

## Call Handler

The Call Handler tab is used to configure how incoming calls are handled.

If an incoming call to the PhoneDiversions number was redirected before, Call Handler gives users the ability to redirect the call back to the initial number (the previous audio announcement will be played to the caller). Alternatively, the audio announcement can be played without redirecting the call to the initial number by disabling the Connect with called destination number option seen in the screenshot below.

In the text field Direct Access Numbers, the user can define numbers that will be connected to the initial number immediately, both overriding the Connect with called destination number option and omitting the audio announcement.

By clicking on the Upload new audio file button, a new dialog opens where audio files can be uploaded.

## Reports

The Reports tab keeps track of any changes regarding activation/deactivation of diversions, as well as call transfers.

State Groups Call Handler **Reports**

### Reports

PhoneDiversions

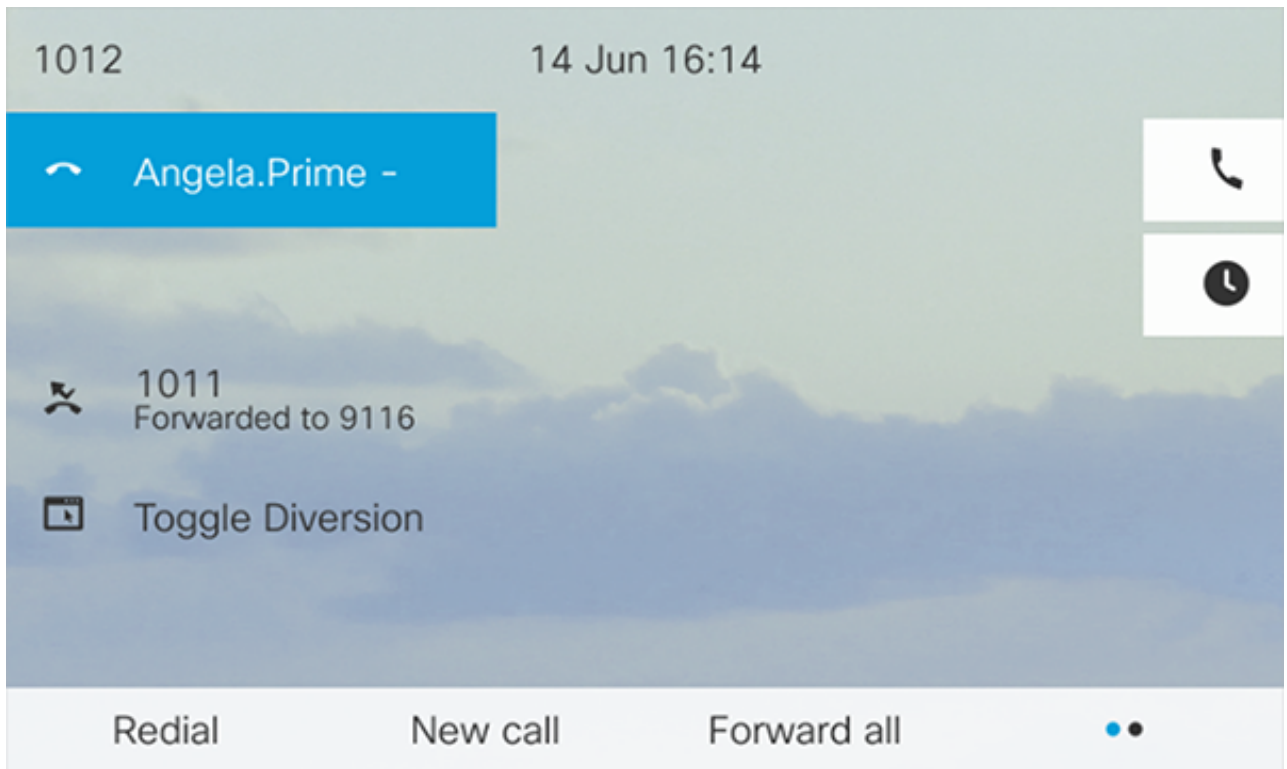
01.01.2025 00:00 - 21.03.2026 00:00 Action: All Status: All Search

Date/Time ^	Action	Status	Username	Caller Number	Receiver Number	Group
03.03.2026 16:54:22	Call Handler	Terminated		1023	1025	Test Group
03.03.2026 16:47:14	Call Handler	Terminated		1025	1025	Test Group
03.03.2026 16:17:51	Call Handler	Terminated		1025	1025	Test Group
03.03.2026 14:33:05	Call Handler	Terminated		1105	1025	Test Group

# Phone GUI

## Phone Menu

The PhoneDiversions service can be added to a line button on the phone. You can send the ID of a diversion group as a parameter in the URL of the phone service.



If the parameter value is defined and set in the URL, pressing the Toggle Diversion button on the phone will toggle the diversion for the respective group based on its current state.

If the parameter value is not set, and there is only one diversion group, pressing the button will toggle the diversion for that group. However, if there are multiple groups, pressing the button will display a menu on the phone, listing all the groups. From this menu, you can select the desired group to toggle the diversion.

# PhoneDiversions

Front Desk



1st Level Tech Support



Exit

Select

# CUCM Configuration

The configuration for the corresponding Phone Service is done in the Communications Manager.

Paste the URL from the [Groups tab](#) into the Service URL input field in CUCM.

If a parameter is sent through the URL, ensure that it is not added to the *Parameters* section at the bottom of the configuration page.

### Service Information

Service Name*	<input type="text" value="Toggle Diversion"/>
Service Description	<input type="text"/>
Service URL*	<input type="text" value="http://127.0.0.1/Applications/Inbound/cruise_Diversion/src/P"/>
Secure-Service URL	<input type="text"/>
Service Category*	<input type="text" value="XML Service"/>
Service Type*	<input type="text" value="Standard IP Phone Service"/>
Service Vendor	<input type="text"/>
Service Version	<input type="text"/>

Enable

### Service Parameter Information

Parameters	<input type="text"/>	<input type="button" value="New Parameter"/> <input type="button" value="Edit Parameter"/> <input type="button" value="Delete Parameter"/>
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For more detailed instructions on configuring Cisco phone services, please refer to the [Configuration of Cisco UCM](#) manual.



# CALLISTO<sup>+</sup>



## PHONEDIVERSIONS

REST SERVICES MANUAL

# Overview

## Architecture

RESTRepresentational State Transfer interfaces provided by PhoneDiversions Group are in general called using HTTP GET requests to retrieve information. Functions that upload or change data are called using HTTP POST requests.

## Authorization

Requests from localhost (127.0.0.1) are handled without authentication.

Requests from external sources require [HTTP basic authentication](#). Use the credentials of a Callisto account that has the privilege REST Authentication enabled. For setting user privileges, see the chapter [User administration](#) of the Callisto platform administration manual.

# Phone diversion functions

All examples shown here use the following placeholders. Replace these placeholders with the appropriate data:

- *<user>* and *<password>*: Credentials of a Callisto user with REST Authentication privilege.
- *<callisto>*: The base domain name or IP address of the Callisto server.

This section describes the Phone Diversion REST functions.

## listGroups

**HTTP request method:** GET

List the diversion groups with their data based on the provided parameters.

### Parameters

groupId	Only the data for the group that matches the ID is listed
groupName	Lists the groups (along with data) based on the provided group name.

If parameters are omitted, all groups are listed.

Show the group with ID 27.

### Example data

groupId=27: ID of the group

### Request

```
curl --user <user>:<password>  
  --data "groupId=27" -H "accept: application/xml" http://callisto_phoneDiversion/Rest/listGroups.asp
```

### Response (successful)

```
<?xml version="1.0" encoding="iso-8859-1" ?>  
<Callisto>  
  <Request>listGroups</Request>  
  <Response>  
    <DiversionGroups>  
      <Group>  
        <GroupID>27</GroupID>  
        <GroupName>Front Desk</GroupName>  
        <Destination>1022</Destination>  
        <State>ON</State>  
        <Description>Diversion to the front desk phone</Description>  
      </Group>
```

```
        </DiversionGroups>
    </Response>
</Callisto>
```

### **Response (no data)**

```
<?xml version="1.0" encoding="iso-8859-1" ?>
<Callisto>
    <Request>listGroups</Request>
    <Response>NOT_FOUND</Response>
</Callisto>
```

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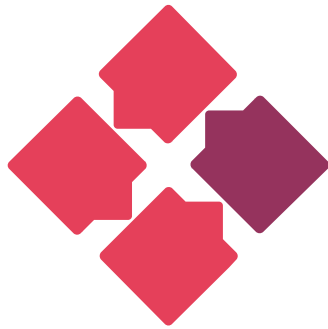
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